

DaimlerChrysler AG

Patent Claims

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1. A device for sucking in and compressing at least one gas in a fuel cell system which has a fuel cell to which gaseous fuel and an oxidizing gas are supplied, characterized in that a compressor (4) for the gas is
10 connected, at its gas inlet, to a gas filter system (5) via an elastic, sealed gas-routing passage (8) made from textile material.

2. The device as claimed in claim 1, characterized in
15 that the gas-routing passage (8) has textile fibers or filaments which are provided with an elastic, gastight coating.

3. The device as claimed in claim 1 or 2,
20 characterized in that the coating is a plastic or a metal.

4. The device as claimed in at least one of the preceding claims, characterized in that the gas-routing
25 passage (8) is a hose.

5. The device in particular as claimed in at least one of the preceding claims, characterized in that a
30 gas-routing passage (9) made from porous textile material is connected to the gas inlet upstream of the gas filter system (5).

6. The device as claimed in at least one of the preceding claims, characterized in that the porous gas-
35 routing passage (9) includes textile fibers or filaments.

7. The device as claimed in at least one of the

preceding claims, characterized in that the surface of the porous gas-routing passage (9) is coated with at least one active substance which is ready to react with respect to at least one gas.

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8. The device as claimed in at least one of the preceding claims, characterized in that the porous gas-routing passage (9) is designed as a hose.

- 10 9. The device as claimed in at least one of the preceding claims, characterized in that it is arranged in a mobile device.